## APPENDIX B: BRACKETT BOSKER RAKING MACHINE COST ESTIMATES

## Brackett Bosker® Raking Machine -Estimated Whole Life Cycle Cost Based on 25 Year Life

for operating hours of +/- 1.4 Hours / day, 365 days per year

•	Maintenance Costs	1	2	3	4	5	10		Total Cost
	Maintenance Hours								
	Annualy								
	16 Hours @ \$50.00/hr								
\$ 182,950.00	\$ 20,000.00	\$ 4,537.38	\$ 487.20	\$ 13,654.95	\$1,327.87	\$ 1,106.56	\$ 9,973.72	\$7,124.01	\$ 272,711.70
	Maintenance Hours								
	Parts Changes					<b>Annual Cost</b>	based on 25	year Life	\$ 10,908.47
	631 Hours @ \$50/hr								
	\$ 31,550.00								

Notes:

- 1. Life cycle costs will increase for heavy debris loads requiring daily operation significantly greater than defined above
- 2. Life cycle costs will decrease for intermittent operation such as for use on pumping stations, flood control and storm water applications

## Foundation cost = \$1,906,700 from Saddleback Environmental Equipment at 4312 Jade Ave. Cypress, CA 90630

The budget you should use for this project including the equipment, the engineering and the construction of the facility is \$1906700. This would include constructing a bypass channel or pipeline to allow the river to flow around the site while the contractor builds the facility, and when the facility is complete, the bypass channel will be backfilled and the river directed through the screening station. You may want to add some money for the agency who will administer the project to cover the cost of handling the project including inspection of the construction. I would think that a 10% allowance for this would be more than adequate.

I hope this helps in completing your application for funding.

Can you make yourself a note to let us know when this project gets funded

Art Anderson

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and by who.	aart4312@sbcglobal.net
June 16 2005: Jeff Geraci (Region 7 staff) - personal conversation Joseph Larson (Deputy Director - Imperial County Public Works De	
telephone: (760) 482-4462 The cost approximately for the transportation of trash from the New	River to the Calexico landfill is 3500 to 5000 dollars per quarter
(one every 3 months). If Haz-Mat materials required, should have	additional fee (spray with chlorox and personal protection).

Operation	Transporting Trash	(monthly) 5000	1st year 60000	2nd year 60000	3rd year 60000
Maintenance	repair (part & labor) (based on 25 year life)		10908.47	10908.47	10908.47
			70908.47	70908.47	70908.47
Initial Capital Cost	Brackett Bosker Raking Machine	182,950	182,950		
	Bar Screen	70,750	70,750		
	shipping	4000	4000		
	foundation or construction		1906700		
	Inspection + permit for construction	10%	190670 2,355,070		